

**SIR ARTUR LEWIS COMMUNITY COLLEGE
DIVISION OF TECHICAL EDUCATION AND MANAGEMENT STUDIES**

EXAMINATION SESSION : May 2014 Final Examination
TUTOR : S. E. Yarde
PROGRAMME TITLE : Carpentry and Joinery two
PROGRAMME CODE : 3BD-CAJ-CE
COURSE TITLE : Building Construction 111
COURSE CODE(S) : BLT 118-A
CLASS (ES) : Year Two
DATE : **Friday 9th May, 2014**
TIME : **9:00 am**
DURATION : 3 Hours
INVIGILATORS : **P. E – Ford, H. Nicholas**

INSTRUCTION:

- ◆ This examination comprises **Nine (9)** Question
- ◆ Answer any **FIVE (5)** questions.

Question 1:

- (a) Identify and write descriptive notes on four different types of construction work. (12 marks)
 - (b) Identify three types of building. (3 marks)
 - (c) How are building categorised? (5 marks)
- (20 marks)

Question 2:

- (a) Write descriptive notes on the two (2) main parts of a building. (8 marks)
 - (b) Write description notes on the four different sections that make up the sub-structure and super- structure of a building. (12 marks)
- (20 marks)

Question: 3

- (a) What is the function of a building? (5 marks)
 - (b) What are the requirements expected from a building? (7 marks)
 - (c) What are the basic concepts on which structure are developed? (8 marks)
- (20 marks)

Question: 4

- (a) What consideration should be taken during or before a site layout? (5 marks)
- (b) Write descriptive notes on the Two (2) main areas of building site. (10 marks)
- (c) What is the primary function of Gantries on a building site? (5 marks)

Question: 5

- (a) Differentiate between a skeleton structure and a solid construction. (6 marks)
 - (b) Identify three (3) advantages and three (3) disadvantages of skeleton structures over cross wall construction. (9 marks)
 - (c) What determine the spacing and the layout of frames construction? (5 marks)
- (20 marks)

Question: 6

- (a) What are the advantages in setting out skeleton structures in a grid framework? (5 marks)
 - (b) What determine the spacing and layout of wall in cross wall construction? (5 marks)
 - (c) Identify five (5) methods use to stabilized the structure against lateral forces in cross wall construction. (10 marks)
- (20 marks)